

Authorization. The types of flights covered by this definition are set forth in the “Las Vegas Flight Standards District Office Grand Canyon National Park Special Flight Rules Area Procedures Manual” which is available from the Las Vegas Flight Standards District Office.

Flight Standards District Office means the FAA Flight Standards District Office with jurisdiction for the geographical area containing the Grand Canyon.

GCNP quiet aircraft technology designation means an aircraft that is subject to § 93.301 and has been shown to comply with the noise limit specified in appendix A of this part.

Number of passenger seats means the number of passenger seats for which an individual aircraft is configured.

Park means Grand Canyon National Park.

Special Flight Rules Area means the Grand Canyon National Park Special Flight Rules Area.

[65 FR 17732, Apr. 4, 2000, as amended at 70 FR 16092, Mar. 29, 2005]

§ 93.305 Flight-free zones and flight corridors.

Except in an emergency or if otherwise necessary for safety of flight, or unless otherwise authorized by the Flight Standards District Office for a purpose listed in 93.309, no person may operate an aircraft in the Special Flight Rules Area within the following flight-free zones:

(a) *Desert View Flight-free Zone.* That airspace extending from the surface up to but not including 14,500 feet MSL within an area bounded by a line beginning at Lat. 35°59'58" N., Long. 111°52'47" W.; thence east to Lat. 36°00'00" N., Long. 111°51'04" W.; thence north to 36°00'24" N., Long. 111°51'04" W.; thence east to 36°00'24" N., Long. 111°45'44" W.; thence north along the GCNP boundary to Lat. 36°14'05" N., Long. 111°48'34" W.; thence southwest to Lat. 36°12'06" N., Long. 111°51'14" W.; to the point of origin; but not including the airspace at and above 10,500 feet MSL within 1 nautical mile of the western boundary of the zone. The corridor to the west between the Desert View and Bright Angel Flight-free Zones, is designated the “Zuni Point Corridor.” This cor-

ridor is 2 nautical miles wide for commercial air tour flights and 4 nautical miles wide for transient and general aviation operations.

(b) *Bright Angel Flight-free Zone.* That airspace extending from the surface up to but not including 14,500 feet MSL within an area bounded by a line beginning at Lat. 35°58'39" N., Long. 111°55'43" W.; north to Lat. 36°12'41" N., Long. 111°53'54" W.; northwest to Lat. 36°18'18" N., Long. 111°58'15" W.; thence west along the GCNP boundary to Lat. 36°20'11" N., Long. 112°06'25" W.; south-southwest to Lat. 36°09'31" N., Long. 112°11'15" W.; to Lat. 36°04'16" N., Long. 112°17'20" W.; thence southeast along the GCNP boundary to Lat. 36°01'54" N., Long. 112°11'24" W.; thence clockwise via the 4.3-nautical mile radius of the Grand Canyon National Park Airport reference point (Lat. 35°57'08" N., Long. 112°08'49" W.) to Lat. 35°59'37" N., Long. 112°04'29" W.; thence east along the GCNP boundary to the point of origin; but not including the airspace at and above 10,500 feet MSL within 1 nautical mile of the eastern boundary or the airspace at and above 10,500 feet MSL within 2 nautical miles of the northwestern boundary. The corridor to the east, between this flight-free zone and the Desert View Flight-free Zone, is designated the “Zuni Point Corridor.” The corridor to the west, between the Bright Angel and Toroweap/Shinumo Flight-free Zones, is designated the “Dragon Corridor.” This corridor is 2 nautical miles wide for commercial air tour flights and 4 nautical miles wide for transient and general aviation operations. The Bright Angel Flight-free Zone does not include the following airspace designated as the Bright Angel Corridor: That airspace one-half nautical mile on either side of a line extending from Lat. 36°14'57" N., Long. 112°08'45" W. and Lat. 36°15'01" N., Long. 111°55'39" W.

(c) *Toroweap/Shinumo Flight-free Zone.* That airspace extending from the surface up to but not including 14,500 feet MSL within an area bounded by a line beginning at Lat. 36°05'44" N., Long. 112°19'27" W.; north-northeast to Lat. 36°10'49" N., Long. 112°13'19" W.; to Lat. 36°21'02" N., Long. 112°08'47" W.; thence west and south along the GCNP boundary to Lat. 36°10'58" N., Long. 113°08'35"

W.; south to Lat. 36°10'12" N., Long. 113°08'34" W.; thence in an easterly direction along the park boundary to the point of origin; but not including the following airspace designated as the "Tuckup Corridor": at or above 10,500 feet MSL within 2 nautical miles either side of a line extending between Lat. 36°24'42" N., Long. 112°48'47" W. and Lat. 36°14'17" N., Long. 112°48'31" W. The airspace designated as the "Fossil Canyon Corridor" is also excluded from the Toroweap/Shinumo Flight-free Zone at or above 10,500 feet MSL within 2 nautical miles either side of a line extending between Lat. 36°16'26" N., Long. 112°34'35" W. and Lat. 36°22'51" N., Long. 112°18'18" W. The Fossil Canyon Corridor is to be used for transient and general aviation operations only.

(d) *Sanup Flight-free Zone*. That airspace extending from the surface up to but not including 8,000 feet MSL within an area bounded by a line beginning at Lat. 35°59'32" N., Long. 113°20'28" W.; west to Lat. 36°00'55" N., Long. 113°42'09" W.; southeast to Lat. 35°59'57" N., Long. 113°41'09" W.; to Lat. 35°59'09" N., Long. 113°40'53" W.; to Lat. 35°58'45" N., Long. 113°40'15" W.; to Lat. 35°57'52" N., Long. 113°39'34" W.; to Lat. 35°56'44" N., Long. 113°39'07" W.; to Lat. 35°56'04" N., Long. 113°39'20" W.; to Lat. 35°55'02" N., Long. 113°40'43" W.; to Lat. 35°54'47" N., Long. 113°40'51" W.; southeast to Lat. 35°50'16" N., Long. 113°37'13" W.; thence along the park boundary to the point of origin.

[Doc. No. 28537, 61 FR 69330, Dec. 31, 1996, as amended by Amdt. 93-80, 65 FR 17742, Apr. 4, 2000]

EFFECTIVE DATE NOTE: By Doc. No. FAA-2001-8690, 68 FR 9498, Feb. 27, 2003, §93.305 was amended by staying paragraphs (a) and (b), effective Feb. 20, 2003, until Feb. 20, 2006. At 71 FR 9441, Feb. 24, 2006, the stay was further extended until Feb. 20, 2011.

§ 93.307 Minimum flight altitudes.

Except in an emergency, or if otherwise necessary for safety of flight, or unless otherwise authorized by the Flight Standards District Office for a purpose listed in § 93.309, no person may operate an aircraft in the Special Flight Rules Area at an altitude lower than the following:

(a) *Minimum sector altitudes*—(1) *Commercial air tours*—(i) *Marble Canyon Sec-*

tor. Lees Ferry to Boundary Ridge: 6,000 feet MSL.

(ii) *Supai Sector*. Boundary Ridge to Supai Point: 7,500 feet MSL.

(iii) *Diamond Creek Sector*. Supai Point to Diamond Creek: 6,500 feet MSL.

(iv) *Pearce Ferry Sector*. Diamond Creek to the Grand Wash Cliffs: 5,000 feet MSL.

(2) *Transient and general aviation operations*—(i) *Marble Canyon Sector*. Lees Ferry to Boundary Ridge: 8,000 feet MSL.

(ii) *Supai Sector*. Boundary Ridge to Supai Point: 10,000 feet MSL.

(iii) *Diamond Creek Sector*. Supai Point to Diamond Creek: 9,000 feet MSL.

(iv) *Pearce Ferry Sector*. Diamond Creek to the Grand Wash Cliffs: 8,000 feet MSL.

(b) *Minimum corridor altitudes*—(1) *Commercial air tours*—(i) *Zuni Point Corridors*. 7,500 feet MSL.

(ii) *Dragon Corridor*. 7,500 feet MSL.

(2) *Transient and general aviation operations*—(i) *Zuni Point Corridor*. 10,500 feet MSL.

(ii) *Dragon Corridor*. 10,500 feet MSL.

(iii) *Tuckup Corridor*. 10,500 feet MSL.

(iv) *Fossil Canyon Corridor*. 10,500 feet

[Doc. No. 28537, 61 FR 69330, Dec. 31, 1996, as amended by Amdt. 93-80, 65 FR 17742, 17743, Apr. 4, 2000]

§ 93.309 General operating procedures.

Except in an emergency, no person may operate an aircraft in the Special Flight Rules Area unless the operation is conducted in accordance with the following procedures. (NOTE: The following procedures do not relieve the pilot from see-and-avoid responsibility or compliance with the minimum safe altitude requirements specified in § 91.119 of this chapter.):

(a) Unless necessary to maintain a safe distance from other aircraft or terrain remain clear of the flight-free zones described in § 93.305;

(b) Unless necessary to maintain a safe distance from other aircraft or terrain, proceed through the Zuni Point, Dragon, Tuckup, and Fossil Canyon Flight Corridors described in § 93.305 at